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TITLE: SOLAR POWER GENERATOR

of abstract

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INVENTOR-INFORMATION:

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ABSTRACT:

PURPOSE: To charge a battery efficiently with an electromotive force by a method wherein a first amplifier, a second amplifier and a comparator to which the output signal of the second amplifier and the output signal of a triangular wave oscillator are inputted are provided and the output power of a DC/DC converter is controlled by the output signal of the comparator.

CONSTITUTION: A first amplifier 10 to which a voltage signal corresponding to the output voltage of a DC/DC converter 2 is inputted and, if a reference voltage or the output voltage and output current of the DC/DC converter 2 are not higher than predetermined values, a voltage signal corresponding to the

maximum output voltage of a solar cell 1 is inputted, a second amplifier 11 to which the output signal of the first amplifier 10 and a current signal corresponding to the output current of the DC/DC converter 2 are inputted and a comparator 13 to which the output signal of the second amplifier 11 and the output signal of a triangular wave oscillator 12 are inputted are provided and the output power of the DC/DC converter 2 is controlled by the output signal of the comparator 13. With this constitution, if the optimum and maximum voltage value and current value of which the battery 3 is allowed are predetermined, the charge is performed continuously within those values.

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